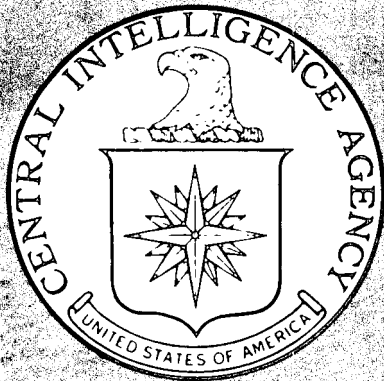


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PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

ANALYSIS OF MILITARY ACTIVITY
ON HAINAN ISLAND, CHINA
PART III AND PART IV

Declass Review by NIMA/ DOD



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ANALYSIS OF MILITARY ACTIVITY
ON HAINAN ISLAND, CHINA
PART III AND PART IV

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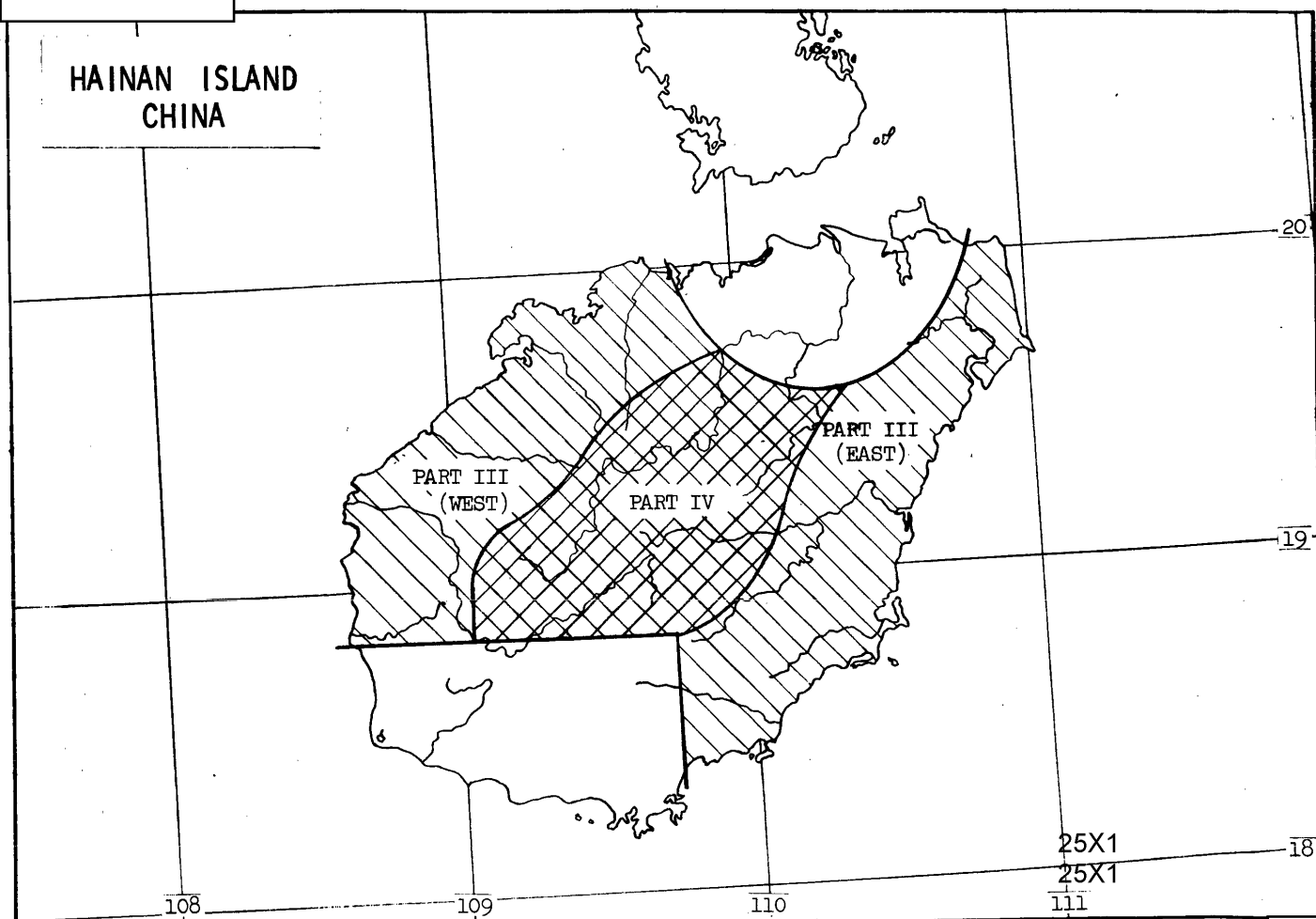


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INTRODUCTION

This report contains Part III and Part IV of a four part regional study of military activity on Hainan Island. A review of the island for military activity is being done in accordance with the following priorities:

- Part I 25 nm inland from the southwestern coastline between T-eng-Ch-iao and Fo-Lo (completed-reference CIA/PIR-67076, September, 1965).
- Part II within a 25 nm radius of Hai-Kou (completed-reference CIA/PIR-67102, October, 1965).
- Part III 25 nm inland from the remaining coastline.
- Part IV the remaining inland area, particularly within 15 nm of any major road or rail.

The systematic analysis of the regions is being done under the following categories:

- A. Missiles
- B. Electronics
- C. Airfields
- D. Naval
- E. Barracks Areas
- F. Military Storage (including POL)
- G. Coastal Defenses and AAA
- H. New Construction Activity

The four regional studies will be followed with a more detailed summation of all military activity and construction on the island. This final report will utilize photography to supplement installation descriptions.

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ANALYSIS OF CATEGORIES
(PART III, EAST COAST)

A. No missile related activity is observed.

B. The Ling-Shui Radar Site is located at 18 23N-110 03E and contains a possible cross-slot radar with one support building.

A radar site is located at 18 56N-110 28E 1.3 nm southeast of Hsia-Po. Facilities consist of two revetted SCR-270 type radars, 3 control buildings, 1 administration building, 3 probable barracks, and 6 support buildings.

A newly identified radar site [] is located at 18 26N-110 04E 6 nm southeast of Ling-Shui Airfield. Facilities include 2 revetted SCR-270 type radars, each with a support building.

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A newly identified radar site [] is located 2 nm east of Nan-Li at 19 39N-110 59E and contains 1 revetted SCR-270 type radar and 1 support building. A support area is located immediately south and contains 9 buildings.

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C. Ling-Shui Airfield [] is located 3 nm west of Ling-Shui at 18 30N-109 59E. Facilities consist of a 9380 x 195 foot NNW/SSE concrete runway with 600 foot extensions at each end, a parallel loop taxiway, 2 crossover links, 2 alert aprons, 3 parking aprons, 35 aircraft parking revetments, 24 vehicle revetments, a firing-in butt, 1 medium and 1 small hanger, an operations building and 50 support buildings, 3 small revetted ammunition storage buildings, and a POL storage area. Electronic facilities include 2 mobile GCA units, an ILS site, and a possible cross-slot radar site on a hill west of the runway.

The barracks area is located 0.5 nm west of the runway and contains 3 administration buildings, 28 multistory barracks, 4 messhalls, and 7 storage/support buildings. Two storage areas are under construction 0.6 nm west of the NNW end of the runway. One area is POL storage and the other consists of underground storage. The airfield is defended by 24 AAA sites, 11 of which are occupied.

D. Ching-Lan Chiang Motor Torpedo Boat Base [] is located 0.5 nm southeast of Ching-Lan-Shih and on the west side of the Ching-Lan Chiang (harbor). The facilities include 1 T-head pier, a four-track marine railway serving 12 small repair-ways, 1 smaller one-track marine railway, 1 large administration building, 2 large and 4 small barracks, 2 warehouses, 1 vehicle storage building, and approximately 35 small support buildings. The base is defended by 3 AAA sites, all of which are occupied.

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E. A possible barracks area is located on the southwest edge of Ling-Shui at 18 31N-110 02E. Facilities include 1 possible administration building, 30 possible barracks, 6 storage buildings, 4 possible vehicle sheds, and approximately 40 support buildings.

A barracks complex, consisting of three areas, is located 2.5 nm southwest of Ling-Shui at 18 28N-110 00E.

Area A (18 28N-110 00E) contains 1 administration building, 5 barracks, 1 messhall, 3 support buildings, and an athletic field. A probable storage area containing 5 probable storage buildings and 3 support buildings is located immediately south of Area A. Directly west of Area A are 2 revetted storage buildings and 3 other support buildings.

Area B (18 28N-109 59E) is located immediately southwest of Area A and contains 1 administration building, 1 probable barracks, 4 probable vehicle sheds, a probable vehicle maintenance building, and 6 support buildings.

Area C (18 28N-109 59E) is located 0.6 nm southwest of Area A and contains 1 probable administration building, 8 barracks, 6 probable storage buildings, 4 support buildings, and a possible athletic field.

A barracks area is located 12 nm northeast of Ling-Shui at 18 41N-110 09E. Facilities on the northwest side of the road include 10 storage buildings, 6 probable vehicle sheds, 1 probable maintenance building, and 5 support buildings. The main barracks area on the southeast side of the road includes 2 administration buildings, 18 barracks, 6 storage buildings, 4 probable vehicle sheds, 1 messhall, and 10 support buildings.

A barracks area is located on the WSW edge of Wan-Ning (18 47N-110 23E). Facilities include 1 administration building, 8 barracks, 3 quarters, 6 storage buildings, 12 storage/vehicle sheds, 1 vehicle shed, 22 support buildings, an athletic field, and a parade ground. The installation is secured.

A barracks area is located 1.0 nm north of Shui-Yeh at 18 54N-110 28E. Facilities include 1 administration building, 11 probable barracks, 2 support buildings, and an athletic field. A possibly associated area located 0.4 nm southeast contains 1 probable administration building, 4 probable barracks, 2 possible vehicle sheds, and 5 support buildings.

Three probable military installations are located in the vicinity of Lo-Cheng (19 08N-110 31E).

Area A is located 3 nm west at Chih-Wu-Tsun (19 09N-110 28E) and contains 1 probable administration building, 16 barracks, 6 support buildings, an athletic field, and a possible swimming pool. A large administration building adjacent to the south side of the installation may be associated with the barracks area.

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Area B is located 4 nm south of Lo-Cheng at 19 04N-110 30E and contains 6 barracks, 6 support buildings, and a probable tracked-vehicle driver training area.

Area C is located 5 nm south of Lo-Cheng at 19 03N-110 30E and contains 6 barracks, a probable vehicle shed, 5 support buildings, and an athletic field.

Two probable barracks areas are located in the vicinity of Chiung-Hai (19 15N-110 28E).

Area A is located 0.9 nm south and contains 1 administration building, 11 barracks, 7 probable quarters, and at least 9 support buildings.

Area B is located 1.3 nm southeast of Chiung-Hai and contains at least 10 barracks and 10 other buildings. Heavy clouds and cloud shadow preclude further interpretation.

Lung-Tang Army Barracks Tien-Tun-Yan [] is located in the vicinity of Tun-Chang-Shih (19 22N-110 05E) and covers approximately 18 square miles. The complex is composed of 28 barracks areas and 5 weapons and vehicular training areas.

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Area A is located at 19 24N-110 10E and contains 1 administration building, 8 barracks, 3 probable vehicle sheds, 4 probable messhalls, 1 probable theater, and 10 support buildings.

Area B is located at 19 23N-110 10E and contains 1 administration building, 8 barracks, 4 probable messhalls, 1 probable theater, and 1 support buildings.

Area C is located at 19 23N-110 10E and contains 1 administration building, 6 barracks, 4 probable storage buildings, 8 possible vehicle sheds, 1 probable theater, and 4 support buildings.

Area D is located at 19 21N-110 10E and is comprised of 2 separate areas. The southwest area contains 1 administration building, 6 barracks, 1 probable theater, and 6 support buildings. The northeast area contains 1 administration building, 8 barracks, 3 storage buildings, 1 probable theater, 4 probable messhalls, and 7 support buildings.

Area E is located at 19 21N-110 10E and contains at least 1 administration building, 5 barracks, and 1 support building. The area is 75% cloud covered.

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Area F is located at 19 21N-110 10E and contains at least 2 administration buildings, 11 barracks, 19 probable storage buildings, 2 vehicle sheds, 4 probable messhalls, and 20 support buildings. The area is 50% cloud covered.

Area G is located at 19 24N-110 09E and contains 1 administration building, 8 barracks, 5 probable storage buildings, 1 probable theater, 4 probable messhalls, and 10 support buildings.

Area H is located at 19 22N-110 06E and consists of 9 separate areas. Together they contain 7 administration buildings, 44 barracks, 12 probable barracks, 12 storage buildings, 3 vehicle sheds, 9 probable vehicle sheds, 4 possible vehicle sheds, 4 probable messhalls, and 24 support buildings.

Area I is located at 19 24N-110 05E and contains 1 administration building, 4 barracks, 3 probable storage buildings, 1 probable vehicle shed, and 1 support building.

Area J is located at 19 23N-110 05E and consists of 4 separate areas. Together they contain 2 administration buildings, 1 probable administration building, 22 barracks, 18 storage buildings, and 17 support buildings.

Area K is located at 19 21N-110 05E and contains 1 probable administration building, 18 barracks, and an athletic field.

Area L is located at 19 20N-110 06E and consists of 2 areas. Together they contain 2 administration buildings, 16 barracks, 4 probable messhalls, 9 storage buildings, and 12 support buildings.

Area M is located at 19 20N-110 06E and consists of 2 areas. Together they contain 2 administration buildings, 16 barracks, 8 probable messhalls, 2 probable theaters, and 12 support buildings.

Area N is located at 19 19N-110 05E and contains 1 administration building, 5 probable barracks, 1 probable theater, and 2 support buildings.

Training facilities within the preceeding barracks areas include a tracked-vehicle driver training area at 19 21N-110 11E, a tank/SP moving target firing range at 19 21N-110 12E, wheeled-vehicle driver training areas at Areas H and J, and sub-caliber moving target firing ranges at Areas A and F. A strong point either for defensive purposes or training is located at 19 24N-110 09E.

A military complex consisting of 6 areas is located along the road extending from Wen-Chang to Mai-Hao.

Area A (19 36 30N-110 45 00E) contains 5 barracks, 4 possible vehicle sheds, and 18 support buildings.

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Area B (19 36 10N-110 45 30E) contains 7 barracks, 2 support buildings, a probable bivouac area, and 2 athletic fields.

Area C (19 36 00N-110 45 00E) contains 2 administration buildings, 30 barracks, a probable theater, 10 support buildings, and an athletic field. The area is probably secured.

Area D (19 35N-110 45E) contains 4 probable administration buildings, 25 barracks, 4 quarters, 17 storage buildings, 2 vehicle sheds, and approximately 35 support buildings.

Area E (19 34N-110 45E) contains 4 vehicle sheds, 2 probable maintenance buildings, 5 storage buildings, and 7 support buildings.

Area F (19 34N-110 45E) contains 1 administration building, 7 barracks, 8 quarters, 8 possible storage buildings, 2 probable vehicle sheds, and 9 support buildings. Trenching is observed throughout the area and heavy tracked-vehicle scarring is located adjacent to Area E.

A military complex consisting of 6 areas is located in the Wen-Chiao Area.

Area A (19 42N-110 54E) contains 1 administration building, 8 barracks, 4 quarters, 10 support buildings, and an athletic field.

Area B (19 42N-110 54E) contains 1 administration building, 10 barracks, 15 support buildings, and an athletic field.

Area C (19 43N-110 53E) contains 6 buildings and a parade ground. The facilities appear to be in the process of being razed.

Area D (19 44N-110 53E) contains 1 administration building, 11 barracks, and 4 support buildings.

Area E (19 40N-110 57E) contains 1 administration building, 8 barracks, 3 quarters, and 8 support buildings.

Area F (19 40N-110 54E) is a probable barracks area containing 12 barracks, 2 probable storage buildings, 6 support buildings, and an athletic field.

Trenching is observed throughout the above areas.

Weng-Tien Army Barracks [] is comprised of 6 separate areas in and around Weng-Tien (19 56N-110 52E).

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Area A is located on the east edge of the village and contains approximately 12 barracks, 3 support buildings, and an athletic field.

Area B is located 0.5 nm SSE of Weng-Tien and contains 1 administration building, 8 barracks, and 7 support buildings.

Area C is located 0.5 nm west of Weng-Tien and contains 1 administration building, 10 barracks, and at least 9 support buildings.

Area D is located 0.6 nm west of the village and contains 1 administration building, 10 barracks, 6 possible barracks, 3 probable storage buildings, and 3 support buildings.

Area E is located 1 nm west of Weng-Tien and contains 4 probable barracks and 6 support buildings.

Area F is located 0.8 nm northwest of the village and contains 1 administration building, 7 barracks, and 3 support buildings.

F. An explosives storage area is located at 19 19N-110 16E which may be associated with Lung-Tang Army Barracks Tien-Tun-Yan. Facilities include 2 barracks, 13 explosives storage buildings, and 1 support building.

A newly identified explosives storage area [] is located 4 nm WNW of Ling-Shui Airfield at 18 32N-109 55E. Facilities include 3 storage buildings and a fourth under construction located at the base of a hill. A support building is located directly west of the storage buildings. 25X1

Most storage facilities appear to be integrated with the military installations. This accounts for the lack of extensive storage facilities independent of any strategic area.

G. AAA Sites

<u>COORDINATES</u>	<u>NUMBER OF EMPLACEMENTS</u>	<u>OCCUPANCY*</u>
Ling-Shui Airfield Defenses		
18 27 28N-110 00 23E	4	4
18 27 35N-109 58 32E	4	0
18 27 52N-109 58 00E	4	4
18 27 58N-109 59 32E	6	0
18 28 40N-109 59 20E	6	0
18 28 55N-109 59 25E	6	6

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G. AAA Sites(cont.)

<u>COORDINATES</u>	<u>NUMBER OF EMPLACEMENTS</u>	<u>OCCUPANCY*</u>
18 28 57N-109 59 08E	6	0
18 29 04N-110 00 00E	4	0
18 29 10N-109 59 40E	6	0
18 29 32N-110 00 17E	4	0
18 29 37N-109 58 42E	6	6
18 30 12N-109 59 15E	6	6
18 30 14N-109 59 28E	6	0
18 30 15N-109 58 28E	6	6
18 30 42N-109 58 34E	6	0
18 30 42N-109 58 53E	6	0
18 30 45N-109 58 08E	4	0
18 30 52N-109 58 34E	6	6
18 31 06N-109 57 50E	4	0
18 31 09N-109 59 08E	6	0
18 31 17N-109 59 52E	6	6
18 31 22N-109 57 16E	6	6
18 31 28N-109 57 46E	6	6
18 31 48N-109 59 32E	4	4

Ching-Lan Chiang Motor
Torpedo Boat Base Defenses

<u>COORDINATES</u>	<u>NUMBER OF EMPLACEMENTS</u>	<u>OCCUPANCY*</u>
19 33 45N-110 49 00E	6	6
19 34 00N-110 48 40E	6	6

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(cont.)

<u>COORDINATES</u>	<u>NUMBER OF EMPLACEMENTS</u>	<u>OCCUPANCY*</u>
19 34 20N-110 49 30E	6	6

* Occupancy as of

COASTAL DEFENSES

Peninsular areas along the east coast appear to be well fortified whereas defenses along bays and low lying shorelines consist primarily of trenching and possible combat wire.

P.I. REMARKS

The quality and quantity of photography varies greatly over the east coast of the island. The area from Wen-Chiao (19 40N-110 49E) south, extending from the shoreline to approximately 15 nm inland, is covered by numerous missions of good quality photography. The area north of Wen-Chiao and the area more than 15 nm inland has very little photographic coverage and that which does exist is of very poor quality due to obliquity and cloud cover.

Recent activity of special interest in this region includes the addition of 2 new radar sites and the continuing construction of the storage facilities at Ling-Shui Airfield.

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ANALYSIS OF CATEGORIES
(PART III, WEST COAST)

A. No missile related activity is observed.

B. A probable electronics site is located 2 nm northeast of Chang-Chiang at 19 20N-108 42E. The installation consists of three separate areas. Area A is located on top of a hill and contains 8 buildings. Area B is located on another hill top 1 nm west of Area A and contains 8 buildings. Area C is located in a valley between Areas A and B and contains 11 barracks/support buildings.

C. Chia-Lai-Shih Airfield is located 2.5 nm southeast of Chia-Lai-Shih at 19 42N-109 44E. The airfield consists of an 8,200 x 165 foot NW/SE concrete runway constructed on the site of an old abandoned airfield. The runway was observed under construction on [] photography and appeared to be completed on [] photography. [] photography, however, the runway width was observed being widened from 100 feet to 165 feet.

Other facilities at the airfield include 12 aircraft parking revetments, 20 large and 35 small support buildings located immediately west of the runway, and 19 probable quarters and 3 support buildings located 0.5 nm east of the runway. The airfield is defended by 20 AAA sites, 9 of which are confirmed as occupied.

D. No naval activity is observed.

E. A possible barracks area is located on the northwest edge of Tung-Fang at 19 03N-108 56E. Facilities include 2 administration buildings, 4 barracks, 3 probable barracks, 4 storage buildings, 18 support buildings, and an athletic field. A small area containing 4 buildings (2 of which are connected) is joined to the main area by a road.

The Tan-Hsien Military Institute is located on the northeast edge of Na-Ta at 19 36N-109 34E. Facilities include 1 administration building, 1 administration/school building, 2 large possible barracks, 5 small barracks, 6 quarters, and 15 support buildings. Training activity is observed immediately south, north, and approximately 0.5 nm east of the barracks area.

A probable barracks area is located on the east edge of Chia-Lai-Shih at 19 43N-109 42E. Facilities include 2 administration buildings, 16 probable barracks, 1 monitor-roofed probable maintenance building, 3 possible vehicle sheds, 20 support buildings, a water tower, and an athletic field.

A possible barracks area is located 7 nm southwest of Lin-Kao at 19 52N-109 33E. Facilities include 1 administration building, 8 possible barracks, and 17 support buildings.

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F. No separate storage areas of military significance were observed.

G. AAA Sites

<u>COORDINATES</u>	<u>NUMBER OF EMPLACEMENTS</u>	<u>OCCUPANCY*</u>
Chia-Lai-Shih Airfield Defenses		
19 41 20N-109 31 10E	6	0
19 41 30N-109 43 40E	4	4
19 41 30N-109 43 30E	4	0
19 41 30N-109 42 10E	6	6 possibly occupied
19 41 40N-109 42 50E	6	6
19 41 50N-109 43 50E	4	4
19 41 50N-109 43 10E	4	4
19 41 50N-109 42 30E	6	6
19 41 50N-109 42 10E	3	0
19 42 10N-109 42 30E	6	0
19 42 20N-109 44 10E	4	0
19 42 20N-109 42 40E	6	6
19 42 20N-109 42 20E	6	6
19 42 30N-109 42 30E	6	0
19 42 30N-109 43 30E	6	6 possibly occupied
19 42 30N-109 43 00E	6	6
19 42 40N-109 43 20E	6	0
19 42 50N-109 42 20E	6	0
19 43 00N-109 42 40E	6	6
19 43 10N-109 43 20E	6	0

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P.I. REMARKS

Tung-Hai-Tan Army Barracks and Storage Area (19 06N-108 38E, [redacted] and Tung-Hai-Tan Supply Storage Area (19 06N-108 38E, [redacted] cannot be confirmed as military. Tui-Ting-Hsin-Tsun probable military barracks and storage (19 27N-109 18E) appears to be a workers housing area and Tan-Hsien military installation (19 29N-109 41E) appears to be agriculture related.

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Recent photographic coverage of the area is good with the exception of the following locations: 1. The area west of Pei-Li (19 08N-108 56E), 2. The area around Na-Li (19 30N-108 57E), 3. The area around Hsin-Ying-Shih (19 44N-109 17E).

Of special interest in this region is the expansion of Chia-Lai-Shih Airfield and the number of occupied AAA sites defending it.

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ANALYSIS OF CATEGORIES
(PART IV)

- A. No missile related activity is observed.
- B. No electronic facilities are observed.
- C. No airfields are observed.
- D. No naval activity is observed.

E. Ang-Chieh probable military barracks and storage area (18 47N-109 29E) cannot be confirmed as military. No training facilities or activities are observed and the lack of good quality, large scale photography precludes the determination of the building functions.

F. No storage installations with a military appearance are observed.

G. No AAA or coastal defenses are observed.

P.I. COMMENTS

Area IV has inadequate photographic coverage necessary for a detailed read-out. The only areas that are covered are located along the perimeter of the region. This coverage has a high percentage of cloud cover and is all oblique. The central part of the island has no good coverage at all. Therefore, the search for and identification of targets with military significance in Area IV is very incomplete.

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MAPS AND CHARTS

USAF Pilotage Chart, PC618A6, 1/500,000, June 1962 (CONFIDENTIAL)
US Air Target Chart Series 200, Sheet 0618-7HL, 2nd Edition, June 1964 (SECRET)
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CIA. PIR/67102, Analysis of Military Activity on Hainan Island, Part II,
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REQUIREMENT

CIA. C-RR5-82,890

CIA/IAD PROJECT

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